

Data Sheet

Itemnumber.....: 5542000100



A = 318	AC = 396	BB = 369	DB = M20	EG = 50	GD = 10	HB = 264	L = 769	TL = 192
AA = 70	AD = 313	C = 133	E = 110	F = 16	H = 200	HD = 513	LB = 659	
AB = 388	B = 305	D = 55	EB = 100	G = 49	HA = 25	K = 18,50	TB = 260	

Version

Type.....: HMC3 200L-4
Design.....: Induction motor
Standard series.....: IEC 60034
Phase / Voltage range.....: 3~ / Low

Electrical design

Efficiency.....: IE3
Pole.....: 4
Power at 50 Hz (kW).....: 30,0
Hz.....: 50
Voltage.....: 400VD/690VY
Winding voltage.....: 400VD/690VY 50 Hz
Power output (kW).....: 30,0
Duty.....: S1
Insulation class.....: F
Temperature rise.....: B

Mechanical design

Frame size.....: 200
Mounting.....: B3
Rain cap.....: No
Protection class.....: IP55
Cooling method.....: IC411/TEFC
External grounding.....: Yes
Drain hole.....: Yes
Frame material.....: Cast Iron
Material approval.....: None
Shaft.....: IEC standard
Key.....: Closed key
Balancing.....: Half key balancing
Vibration class.....: Grade-A
Weight (kg).....: 280

Environment condition

Ambient temp. min. (°C).....: -20
Ambient temp. max. (°C).....: 40
Altitude (mtr up to).....: 1000

Bearing

DE Bearing.....: 6312/C3
NDE Bearing.....: 6312/C3
Fixed bearing.....: DE

Terminal box

Tbox position.....: Top
Cable entry direction.....: Right (from DE)
Cable entry
Main.....: 2 x M50x1,5
Plastic blindcaps
Accessory.....: 2 x M20x1,5
Plastic blindcaps
Terminal board thread.....: 6-M8

Motor protection

Thermal protection main.....: PTC 3x 155 dgr
Thermal protection second.....: None
Space heater.....: None
Temperature detector.....: No
SPM.....: No
IR wire.....: No
Tropical insulation.....: No

Explosion protection

According to.....: None
Type of protection.....: None

General

Direction of rotation.....: CW
Painting.....: RAL 9005
Nameplate.....: Multivoltage
Special packing.....: No
Special requirements.....: No

Test values

Rotor inertia (kgm²).....: 0,41
Noise level (dB(A)).....: 61
No load current (A).....: 20,2
Winding resist. (ohm).....: 0,19
Starting time (sec.).....: 0,13
Temp. rise winding (K).....: 57
Temp. rise surface (K).....: 37

Rated power (kW)	30,0	29,0	36,0	35,0
Frequency (Hz)	50	50	60	60
Voltage (V)	400 690	380 660	480 830	440
Connection	D Y	D Y	D Y	D
Full load current (A)	53,0 31,0	55,0 32,0	53,0 31,0	55,0
Speed (rpm)	1480	1480	1760	1760
Power factor cos(phi)	0,87	0,88	0,87	0,88
Efficiency, 100/75/50 (%)	93,6/ 93,7 /93,0	93,6/ 93,7 /93,0	93,6/ 93,7 /93,0	93,2/ 93,3 /92,5
Ist/In	8,20	7,20	8,20	7,55
Full load torque (Nm)	194	188	194	188
Tst/Tn	2,90	2,65	2,90	2,50
Tmax/Tn	3,25	3,00	3,25	2,80
Duty	S1	S1	S1	S1
Ambient temp. (°C)	40	45	40	45